



# ***STIC Search Report***

**EIC 3700**

**STIC Database Tracking Number: 190963**

**TO: Dmitry Suhol**  
**Location: RND 6a24**  
**Art Unit: 3725**  
**Monday, June 26, 2006**

**Case Serial Number: 10/766196**

**From: John Sims**  
**Location: EIC 3700**  
**RND 8B31**  
**Phone: 571 272-3507**

**john.sims@uspto.gov**

## **Search Notes**

Examiner Suhol:

My search produced some limited results; I do not know if they will be useful to you, so please examine carefully.

**Solomon, Terrance**

190963

**From:** DMITRY SUHOL [Dmitry.Suhol@uspto.gov]  
**Sent:** Wednesday, May 24, 2006 11:04 AM  
**To:** STIC-EIC3700  
**Subject:** Database Search Request, Serial Number: 10/766196

Requester:  
DMITRY SUHOL (P/3725)

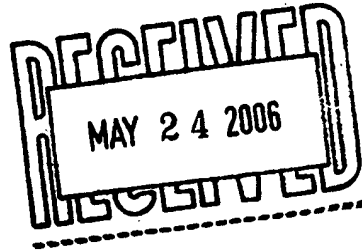
Art Unit:  
GROUP ART UNIT 3725

Employee Number:  
78832

Office Location:  
RND 06A24

Phone Number:  
(571)272-4430

Mailbox Number:  
Randolph 7A69



Case serial number:  
10/766196

Class / Subclass(es):  
434/408,162

Earliest Priority Filing Date:  
1/29/2004

Format preferred for results:  
E-mail

Search Topic Information:

I am looking for a teaching of a device where penmanship indicia is printed on a substrate and covered with an air impermeable cover so that when the cover is lifted the indicia disappears over time. See US Patent 4,987,849 for example of such structure. Also need a teaching where the cover is made of aluminum foil or a synthetic sponge with an aluminum layer. Thanks.

Special Instructions and Other Comments:

can be contacted mon-fri 7:15 am till 3:45 pm

mark indicia  
write  
draw  
illustrate

Balloutine, Anthony  
unassigned

impermeable air sheet or cover  
impervious  
permeate

19/9/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04201549  
PRINTING METHOD

PUB. NO.: 05-193249 [JP 5193249 A]  
PUBLISHED: August 03, 1993 (19930803)  
INVENTOR(s): KUMANO YASUKO  
SUZUKI HIDEKI  
NAGAREO HIDEKI  
SHIONO YOSHIAKI  
APPLICANT(s): FUJITA CORP [366436] (A Japanese Company or Corporation), JP  
(Japan)  
FUJICOPIAN CO LTD [404329] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 04-031565 [JP 9231565]  
FILED: January 21, 1992 (19920121)  
INTL CLASS: [5] B41M-005/00  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3  
(INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R139 (INFORMATION PROCESSING -- Word Processors)  
JOURNAL: Section: M, Section No. 1511, Vol. 17, No. 623, Pg. 99,  
November 17, 1993 (19931117)

ABSTRACT

PURPOSE: To ensure that a **sheet** on which characters, a chart or a picture  
are **printed** and these **printed** images **disappear** over time, can be  
reused at a working place without any recycling process applied to the  
**sheet** .

CONSTITUTION: Images are printed using a color such as leuco dye which  
tends to fade away through contact with vapor, oxygen or ultraviolet ray in  
the **air** , and an ink containing a solvent and/or wax is employed.  
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29/7/13 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010421662 \*\*Image available\*\*

WPI Acc No: 1995-322982/199542

**Handwriting input unit for input of pattern, symbol or sign - separates rear of adhesion sheet from input when hand is taken from writing and data is disappeared**

Patent Assignee: KANTO BUSSAN KK (KANT-N); TOPPAN MOORE KK (TOPP )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7200135	A	19950804	JP 93353655	A	19931230	199542 B

Priority Applications (No Type Date): JP 93353655 A 19931230

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7200135	A		8	G06F-003/03	

Abstract (Basic): JP 7200135 A

The handwriting input unit includes an adhesive sheet (4) whose rear (3) has an adhesive layer over the display (2). During writing, the rear side contacts the input (1) so that the written data is displayed. The data is written with a pen (J). When the hand stops writing, then the written data disappears due to separation of the rear side from the input.

An attachment and detachment of the display object is enabled on the input part which is exposed outside with an opening (6) of the body (5). With this opening, the rear side's base material (7) is made detachable. The adhesive sheet contains first and second flexible electrically conductive layers, separated by an insulation layer containing minute protruding elements. When the first flexible layer is pressed, it contacts the second flexible layer for electrical conduction.

ADVANTAGE - Enables easy erasure of hand-written data. Reduces size thus becoming suitable for portable type information appts.

Dwg.6/10

Derwent Class: T01; T04

International Patent Class (Main): G06F-003/03

29/7/16 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008958566

WPI Acc No: 1992-085835/199211

**Confidential information retaining sheet - has heat-reversible colouring agent layer on single face of opaque base material, separately thermally adhered to the base**

Patent Assignee: TOPPAN PRINTING CO LTD (TOPP )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4029846	A	19920131	JP 90135670	A	19900525	199211 B

Priority Applications (No Type Date): JP 90135670 A 19900525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4029846	A		6		

Abstract (Basic): JP 4029846 A

A reversible colouring agent layer develops colour by short-period heating and eliminates colour by long-period heating. The layer is on the single face of an opaque base material and is separately thermally-adhered to an opaque film.

Pref. the reversible colouring agent layer comprises a compsn. contg. an amphoteric cpd. and a leuco cpd. The amphoteric cpd. has at least one of a phenol hydroxyl gp. or a carboxyl gp.; and an amino gp. as a functional gp. or as part of a chloride gp..

USE/ADVANTAGE - The sheet prints or erases information by heating. Colouring condition is maintained at ordinary temp.. The result ensures the printed contents by peeling the opaque film. When the third party reads the printed contents and applies thermal re-adhesion to the **sheet**, the **printed** contents **disappear**. The fact discloses confidential information leakage.

Dwg.1,2/2

Derwent Class: E19; G05; P73; P76; R28; T04

International Patent Class (Additional): B32B-033/00; B42D-015/02;  
G06K-019/10

27/7/8 (Item 3 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012325045 \*\*Image available\*\*  
WPI Acc No: 1999-131151/199911

**Visual aid assisting especially teaching of sporting events - has no disadvantages associated with computerised displays, relying instead on specific markings of e.g. bowling alley, printed on magic marker type pad, which can be erased instantly by lifting front sheet**

Patent Assignee: KOZAR W (KOZA-I)

Inventor: KOZAR W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5863254	A	19990126	US 97958714	A	19971117	199911 B

Priority Applications (No Type Date): US 97958714 A 19971117

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5863254	A	6	A63F-003/00	

Abstract (Basic): US 5863254 A

This novel visual aid (10) describes sporting events. It has a transparent sheet (12) with event data printed on it. The **indicia** match e.g. bowling alley **markings**, furniture and positions. An opaque sheet (14) is positioned below. A board (16) with dark coloured wax (16A) covering a board support is positioned below this. A binding (18) secures the foregoing components. The assembly can be written upon, and separated in the manner of a magic **marking** pad, to **erase** the **writing**. Preferably the board support is made of plastic, composite, metal, alloy, wood, cardboard, rubber, fibreglass, epoxy or carbon graphite.

USE - To describe sports events.

ADVANTAGE - The **device** can be marked up for any event, and is used repeatedly. It has none of the complexity of an opto-electronic **device** for the same purpose. It is simple to use, and non-cumbersome. It is exceptionally useful for **teaching** purposes. Better results are claimed from **teaching** by its use.

Dwg.1/2

Derwent Class: A86; P36

International Patent Class (Main): A63F-003/00

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Set	Items	Description
S1	1	AU='BALLOUTINE A'
S2	1600201	INK? ? OR MARK??? OR WRIT???? ? OR PRINT??? OR INDICIA
S3	14659	DISAPPEAR???
S4	2092357	COVER??? OR SHEET? ?
S5	7749	(IMPERMEAB? OR IMPERVIOUS? OR PERMEAT???) (10N)AIR
S6	1915	S4(S)S5
S7	1677	S2 AND S3
S8	1	S6 AND S7
S9	10806	EXPOS??? (5N)AIR
S10	0	S2 AND S3 AND S4 AND S9
S11	88	PENMANSHIP?
S12	1600234	S2 OR S11
S13	2	S12 AND S3 AND S9
S14	2	S13 NOT S8
S15	0	S11(5N)S3
S16	408	S12(5N)S3
S17	64	S4 AND S16
S18	1469424	AIR
S19	5	S17 AND S18
S20	1213	S4(S)S9
S21	1915	S4(S)S5
S22	3117	S20 OR S21
S23	176	S12 AND S22
S24	1	S3 AND S23
S25	24	S23/2005-2006
S26	152	S23 NOT S25 NOT S8 NOT S14 NOT S19
S27	408	S2(5N)S3
S28	0	S26 AND S27
S29	16	S4(10N)S27
S30	8871225	SURFACE? OR TABLET? OR DEVICE? ?
S31	263387	S12(5N)S30
S32	99	S31 AND (S15 OR S16)
S33	16	S4 AND S32
S34	12	S33 NOT S29

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640  
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File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

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Set	Items	Description
S1	1	AU='BALLOUTINE A'
S2	1600201	INK? ? OR MARK??? OR WRIT???? ? OR PRINT??? OR INDICIA
S3	14659	DISAPPEAR???
S4	2092357	COVER??? OR SHEET? ?
S5	7749	(IMPERMEAB? OR IMPERVIOUS? OR PERMEAT???) (10N)AIR
S6	1915	S4(S)S5
S7	1677	S2 AND S3
S8	1	S6 AND S7
S9	10806	EXPOS???(5N)AIR
S10	0	S2 AND S3 AND S4 AND S9
S11	88	PENMANSHIP?
S12	1600234	S2 OR S11
S13	2	S12 AND S3 AND S9
S14	2	S13 NOT S8
S15	0	S11(5N)S3
S16	408	S12(5N)S3
S17	64	S4 AND S16
S18	1469424	AIR
S19	5	S17 AND S18

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640  
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File 371:French Patents 1961-2002/BOPI 200209  
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Set	Items	Description
S1	160172	PENMANSHIP OR WRITING OR CURSIVE
S2	209987	TEACH??? OR INSTRUCT??? OR EDUCAT???
S3	7554715	DEVICE? ? OR APPARATUS? OR TOOL? ?
S4	14444	S1(5N)S3
S5	22381	S2(5N)S3
S6	132	S4(5N)S2
S7	136	S5(5N)S1
S8	160	S6 OR S7
S9	1238845	COVER???
S10	0	S8(S)S9
S11	14659	DISAPPEAR???
S12	0	S8 AND S11
S13	1628	S1(S)S2(S)S3
S14	214427	INDICIA OR MARK? ? OR MARKING? ?
S15	7	S8 AND S14
S16	34	S13 (S)S14
S17	36	S15 OR S16
S18	1	S17 AND (S9 OR S11)
S19	70845	ERAS???
S20	4	S17 AND S19
S21	0	S8 AND S9 AND S19
S22	3509	S1 AND S2 AND S3
S23	97	S22 AND S14
S24	10	S23 AND (S11 OR S19)
S25	10	S20 OR S24
S26	2	S25/2005-2006
S27	8	S25 NOT S26

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
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File 371:French Patents 1961-2002/BOPI 200209  
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Set	Items	Description
S1	0	BALLOUTINE
S2	259762	INK? ?
S3	2482	AIR(5N) (IMPERVIOUS? OR IMPERMEAB? OR PERMEAT??? OR PENETRA-T??)
S4	7556939	MARK? ? OR MARKING? ? OR WRITING? ? OR WRITE? ? OR PRINT? ? OR PRINTING? ? OR DRAW? ? OR DRAWING? ?
S5	2771	PENMANSHIP? ?
S6	3836051	COVER? ? OR COVERING? ? OR SHEET? ?
S7	349296	DISAPPEAR???
S8	498	S7(5N)S2
S9	163	(S4 OR S5) (S)S8
S10	51	S6 AND S9
S11	37	RD (unique items)
S12	4	S11/2005-2006
S13	33	S11 NOT S12
S14	85	S3(S)S6
S15	24	S4 AND S14
S16	20	RD (unique items)
File	1:ERIC 1966-2006/May	(c) format only 2006 Dialog
File	7:Social SciSearch(R) 1972-2006/Jun W3	(c) 2006 Inst for Sci Info
File	11:PsycINFO(R) 1887-2006/Apr W4	(c) 2006 Amer. Psychological Assn.
File	35:Dissertation Abs Online 1861-2006/Jun	(c) 2006 ProQuest Info&Learning
File	47:Gale Group Magazine DB(TM) 1959-2006/Jun 26	(c) 2006 The Gale group
File	88:Gale Group Business A.R.T.S. 1976-2006/Jun 16	(c) 2006 The Gale Group
File	121:Brit.Education Index 1976-2006/Q3	(c) 2006 British Education Index
File	141:Readers Guide 1983-2006/Feb	(c) 2006 The HW Wilson Co
File	142:Social Sciences Abstracts 1983-2006/May	(c) 2006 The HW Wilson Co
File	436:Humanities Abs 1984-2004/Dec	(c) 2005 The HW Wilson Co
File	437:Education Abstracts 1983-2006/May	(c) 2006 The HW Wilson Co
File	9:Business & Industry(R) Jul/1994-2006/Jun 23	(c) 2006 The Gale Group
File	16:Gale Group PROMT(R) 1990-2006/Jun 23	(c) 2006 The Gale Group
File	148:Gale Group Trade & Industry DB 1976-2006/Jun 26	(c)2006 The Gale Group
File	160:Gale Group PROMT(R) 1972-1989	(c) 1999 The Gale Group
File	482:Newsweek 2000-2006/Jun 20	(c) 2006 Newsweek, Inc.
File	484:Periodical Abs Plustext 1986-2006/Jun W3	(c) 2006 ProQuest
File	621:Gale Group New Prod.Annou.(R) 1985-2006/Jun 26	(c) 2006 The Gale Group